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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet	1	of	2
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Complete if Known

Application Number	10/723,955
Filing Date	November 26, 2003
First Named Inventor	Ruoping Chen
Group Art Unit	To Be Determined
Examiner Name	To Be Determined
Attorney Docket Number	7.US29.CON

U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

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Date Considered

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³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the
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PTO/SB/08B(10-01)

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OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
NSB	KL	Feighner et al., "Receptor For Motilin Identified In The Human Gastrointestinal System," <i>Science</i> , Vol. 284, No. 5423, June 1999, pp. 2184-2188.	
	KM	McKee et al., "Cloning And Characterization Of Two Human G Protein-Coupled Receptor Genes (GPR38 And GPR39) Related To The Growth Hormone Secretagogue And Neurotesin Receptors," <i>Genomics</i> , Vol. 46, No. 3, 1997, pp. 423-434.	
	KN	Palyha et al., Ligand Activation Domain Of Human Orphan Growth Hormone (GH) Secretagogue Receptor (GHS-R) Conserved From Pufferfish To Humans," <i>Molecular Endocrinology</i> , Vol. 14, No. 1, 2000, pp. 160-169.	
NSB	KO	European Search Report Dated August 20, 2004 for European Patent Application No. EP 99 95 0301.	

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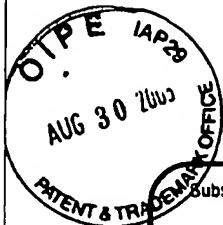
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MR	KP	Chen et al., "Identification of TDAG8 as a P2Y Purinergic Receptor," poster; February 26-March 3, 2000: Genome Tri Conference 2000, San Francisco, CA (1p.)	

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N. S. R.

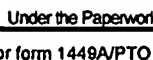
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NW	KR	Scherr, et al "Constitutively Active G. Protein-Coupled Receptors: Potential Mechanisms of Receptor Activation," <i>Journal of Receptor and Signal Transduction Research</i> 17 (1-3): 57-73.	
Mr	KS	Kjelsberg, et al, "Constitutive activation of the alphaB-adrenergic receptor by all amino acid substitutions at a single site," <i>Journal of Biological Chemistry</i> , 267 (3): 1430-1433.	

Examiner Signature	N. J. and S. A. R.	Date Considered	4/27/07
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Sheet 1 of 21

Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office		Docket No. 7.US29:CON	Serial No. 10/723,955
		Applicant Dominic P. Behan et al.	
		Filing Date November 26, 2003	Group Not Yet Assigned
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
AA	Alla, S.A. et al., "Extracellular domains of the bradykinin B2 receptor involved in ligand binding and agonist sensing defined by anti-peptide antibodies," <i>J. Biol. Chem.</i> , 1996, 271, 1748-1755		
AB	Advenier, C. et al., "Effects on the isolated human bronchus of SR 48968, a potent and selective nonpeptide antagonist of the neurokinin A (NK ₂) receptors," <i>Am. Rev. Respir. Dis.</i> , 1992, 146(5, Pt. 1), 1177-1181		
AC	Alexander, W.S. et al., "Point mutations within the dimer interfact homology domain of c-Mpl induce constitutive receptor activity and tumorigenicity," <i>EMBO J.</i> , 1995, 14(22), 5569-5578		
AD	Arvanitakis, L. et al., "Human herpesvirus KSHV encodes a constitutively active G-protein-coupled receptor linked to cell proliferation," <i>Nature</i> , 1997, 385, 347-349		
AE	Barker, E.L. et al., "Constitutively active 5-hydroxytryptamine _{2c} receptors reveal novel inverse agonist activity of receptor ligands," <i>J. Biol. Chem.</i> , 1994, 269(16), 11687-11690		
AF	Baxter, G., "5-HT ₂ receptors: a family re-united?" <i>Trends Pharmacol. Sci.</i> , 1995, 16, 105-110		
AG	Besmer, P. et al., "A new acute transforming feline retrovirus and relationship of its oncogene v- <i>kit</i> with the protein kinase gene family," <i>Nature</i> , 1986, 320, 415-421		
AH	Blin, N. et al., "Mapping of single amino acid residues required for selective activation of G _{q/11} by the m3 muscarinic acetylcholine receptor," <i>J. Biol. Chem.</i> , 1995, 270, 17741-17748		
AI	Bond, R.A. et al., "Inverse agonists and G-protein-coupled receptors," in <i>Receptor-Based Drug Design</i> , Leff, P. (ed.), New York, M. Dekker, 1998, 363-377		
AJ	Boone, C. et al., "Mutations that alter the third cytoplasmic loop of the a-factor receptor lead to a constitutive and hypersensitive phenotype," <i>Proc. Natl. Acad. Sci. USA</i> , 1993, 90(21), 9921-9925		
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List of Patent and Publications
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U.S. Department of Commerce
Patent and Trademark Office

Docket No.

7.US29.CON

Serial No.

10/723,955

Applicant

Dominic P. Behan et al.

Filing Date

November 26, 2003

Group

Not Yet Assigned

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**AK**

Burstein, E.S. et al., "Constitutive activation of chimeric m2/m5 muscarinic receptors and delineation of G-protein coupling selectivity domains," *Biochem. Pharmacol.*, 1996, 51(4), 539-544

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Burstein, E.S. et al., "Amino acid side chains that define muscarinic receptor/G-protein coupling. Studies of the third intracellular loop," *J. Biol. Chem.*, 1996, 271(6), 2882-2885

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Burstein, E.S. et al., "Constitutive activation of muscarinic receptors by the G-protein G_q ," *FEBS Lett.*, 1995, 363(3), 261-263

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Bylund, D., "International union of pharmacology nomenclature of adrenoceptors," *Pharmacol. Rev.*, 1994, 46, 121-136

AO

Casey, C. et al., "Constitutively active mutant 5-HT_{2A} serotonin receptors: inverse agonist activity of classical 5HT_{2A} antagonists," *Soc. Neurosci.*, 1996, Abstract #699.10

AP

Cheatham, B. et al., "Substitution of the *erbB-2* oncoprotein transmembrane domain activates the insulin receptor and modulates the action of insulin-receptor substrate 1," *Proc. Natl. Acad. Sci. USA*, 1993, 90, 7336-7340

AQ

Chen, J. et al., "Tethered Ligand Library for Discovery of Peptide Agonists," *J. Biol. Chem.*, 1995, 270, 23398-23401

AR

Chen, T.S. et al., "Microbial hydroxylation and glucuronidation of the angiotensin II (AII) receptor antagonist MK 954," *J. Antibiot. (Tokyo)*, 1993, 46(1), 131-134

AS

Chen, W. et al., "A colorimetric assay for measuring activation of G_i - and G_q -coupled signaling pathways," *Anal. Biochem.*, 1995, 226(2), 349-354

AT

Chidiac, P. et al., "Inverse agonist activity of β -adrenergic antagonists," *J. Pharm. Exp. Ther.*, 1994, 45, 490-499

AU

Clozel, M. et al., "In vivo pharmacology of Ro 46-2005, the first synthetic nonpeptide endothelin receptor antagonist: implications for endothelin physiology," *J. Cardiovas. Pharmacol.*, 1993, 22(Suppl. 8), S377-S379

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
	AV	Collesi, C. et al., "A splicing variant of the <i>RON</i> transcript induces constitutive tyrosine kinase activity and an invasive phenotype," <i>Mol. Cell. Biol.</i> , 1996, 16(2), 5518-5526	
	AW	Cooper, C.S. et al., "Molecular cloning of a new transforming gene from a chemically transformed human cell line," <i>Nature</i> , 1984, 311, 29-33	
	AX	De Dios, I. et al., "Effect of L-364,718 (CCK Receptor Antagonist) on Exocrine Pancreatic Secretion of Hydrocortison-Treated Rats," <i>Pancreas</i> , 1994, 9(2), 212-218	
	AY	Desbios-Mouthon, C. et al., "Deletion of Asn ²⁸¹ in the α -subunit of the human insulin receptor causes constitutive activation of the receptor and insulin desensitization," <i>J. Clin. Endocrinol. Metab.</i> , 1996, 81(2), 719-721	
	AZ	Di Renzo, M.F. et al., "Expression of the Met/HGF receptor in normal and neoplastic human tissues," <i>Oncogene</i> , 1991, 6(11), 1997-2003	
	BA	Di Renzo, M.F. et al., "Overexpression of the c-MET/HGF receptor gene in human thyroid carcinomas," <i>Oncogene</i> , 1992, 7, 2549-2553	
	BB	Duprez, L. et al., "Germline mutations of the thyrotropin receptor gene cause non-autoimmune autosomal dominant hyperthyroidism," <i>Nature Genetics</i> , 1994, 7, 396-401	
	BC	Eggericksx, D. et al., "Molecular Cloning of an Orphan G-Protein-Coupled Receptor that Constitutively Activates Adenylate Cyclase," <i>Biochem. J.</i> , 1995, 309, 837-843	
	BD	Evans, B.E. et al., "Orally Active, Nonpeptide Oxytocin Antagonists," <i>J. Med. Chem.</i> , 1992, 35, 3919-3927	
	BE	Fu, M. et al., "Functional autoimmune epitope on α_1 -adrenergic receptors in patients with malignant hypertension," <i>Lancet</i> , 1994, 344, 1660-1663	
	BF	Furitsu, T. et al., "Identification of Mutations in the Coding Sequence of the Proto-oncogene <i>c-kit</i> in a Human Mast Cell Leukemia Cell Line Causing Ligand-independent Activation of <i>c-kit</i> Product," <i>J. Clin. Invest.</i> , 1993, 92, 1736-1744	
	BG	Gellai, M. et al., "Nonpeptide Endothelin Receptor Antagonists V: Prevention and Reversal of Acute Renal Failure in the Rat by SB 209670," <i>J. Pharm. Exp. Therap.</i> , 1995, 275(1), 200-206	
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	BH	Gitter, B. et al., "Pharmacological Characterization of LY303870: A Novel Potent and Selective Nonpeptide Substance P (Neurokinin-1) Receptor Antagonist," <i>J. Pharm. Exp. Therp.</i> , 1995, 275(2), 737-744	
	BI	Gouilleux-Gruart, V. et al., "STAT-Related Transcription Factors are Constitutively Activated in Peripheral Blood Cells from Acute Leukemia Patients," <i>Blood</i> , 1996, 87(5), 1692-1697	
	BJ	Hansson, J.H. et al., "Hypertension caused by a truncated epithelial sodium channel γ subunit: genetic heterogeneity of Liddle syndrome," <i>Nat. Genet.</i> , 1995, 11(1), 76-82	
	BK	Hasegawa, H. et al., "Two Isoforms of the Prostaglandin E Receptor EP3 Subtype Different in Agonist-independent Constitutive Activity," <i>J. Biol. Chem.</i> , 1996, 271(4), 1857-1860	
	BL	Hendler, F. et al., "Human Squamous Cell Lung Cancers Express Increased Epidermal Growth Factor Receptors," <i>J. Clin. Invest.</i> , 1984, 74, 647-651	
	BM	Herrick-Davis, K. et al., "Constitutively Active 5HT _{2C} Serotonin Receptor Created by Site-Directed Mutagenesis," <i>Soc. Neurosci.</i> , Abstract No. 699.18	
	BN	Hieble, J., "International union of pharmacology. X. Recommendation for nomenclature of 1-adrenoceptors," <i>Pharm. Rev.</i> , 1995, 47, 267-270	
	BO	Hill, S., "Distribution, Properties, and Functional Characteristics of Three Classes of Histamine Receptor," <i>Am. Soc. Pharm. Exp. Therap.</i> , 1990, 42(1), 45-83	
	BP	Högger, P. et al., "Activating and Inactivating Mutations in - and C-terminal i3 Loop Junctions of Muscarinic Acetylcholine Hm1 Receptors," <i>J. Biol. Chem.</i> , 1995, 270(13), 7405-7410	
	BQ	Ikeda, H. et al., "Expression and Functional Role of the Proto-oncogene <i>c-kit</i> in Acute Myeloblastic Leukemia Cells," <i>Blood</i> , 1991, 78(11), 2962-2968	
	BR	Imura, R. et al., "Inhibition by HS-142-1, a novel nonpeptide atrial natriuretic peptide antagonist of microbial origin, of atrial natriuretic peptide-induced relaxation of isolated rabbit aorta through the blockade of guanylyl cyclase-linked receptors," <i>Mol. Pharm.</i> , 1992, 42, 982-990	
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BS	Jakubik, J. et al., "Constitutive activity of the M ₁ -M ₄ subtypes of muscarinic receptors in transfected CHO cells and of muscarinic receptors in the heart cells revealed by negative antagonists," <i>FEBS Letts.</i> , 1995, 377, 275-279		
BT	Kjelsberg, M.A. et al., "Constitutive activation of the α_{1B} -adrenergic receptor by all amino acid substitutions at a single site," <i>J. Biol. Chem.</i> , 1992, 267(3), 1430-1433		
BU	Knapp, R. et al., "Molecular biology and pharmacology of cloned opioid receptors," <i>FASEB J.</i> , 1995, 9, 516-525		
BV	Kosugi, S. et al., "Characterization of heterogeneous mutations causing constitutive activation of the luteinizing hormone receptor in familial male precocious puberty," <i>Human Mol. Genetics</i> , 1995, 4(2), 183-188		
BW	Kosugi, S. et al., "Identification of Thyroid-Stimulating Antibody-Specific Interaction Sites in the N-Terminal Region of the Thyrotropin Receptor," <i>Mol. Endocrinology</i> , 1993, 7, 114-130		
BX	Kraus, M. et al., "Demonstration of ligand-dependent signaling by the <i>erbB-3</i> tyrosine kinase and its constitutive activation in human breast tumor cells," <i>Proc. Natl. Acad. Sci. USA</i> , 1993, 90, 2900-2904		
BY	Kudlacz, E. et al., "In Vitro and In Vivo Characterization of MDL 105,212A, a Nonpeptide NK-1/NK-2 Tachykinin Receptor Antagonist," <i>J. Pharm. Exp. Therap.</i> , 1996, 277(2), 840-851		
BZ	Kuriu, A. et al., "Proliferation of Human Myeloid Leukemia Cell Line Associated with the Tyrosine-Phosphorylation and Activation of the Proto-oncogene <i>c-kit</i> Product," <i>Blood</i> , 1991, 78(11), 2834-2840		
CA	Labbe-Jullie, C. et al., "Effect of the nonpeptide neurotensin antagonist, SR 48692, and two enantiomeric analogs, SR 48527 and SR 49711, on neurotension binding and contractile responses in guinea pig ileum and colon," <i>J. Pharm. Exp. Therap.</i> , 1994, 271(1), 267-276		
CB	Latronico, A. et al., "A novel mutation of the luteinizing hormone receptor gene causing male gonadotropin-independent precocious puberty," <i>J. Clin. Endocrinol. Metab.</i> , 1995, 80(8), 2490-2494		
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CC	Laue, L. et al., "Genetic heterogeneity of constitutively activating mutations of the human luteinizing hormone receptor in familial male-limited precocious puberty," <i>Proc. Natl. Acad. Sci USA</i> , 1995, 92, 1906-1910
CD	Løvlie, R. et al., "The Ca ²⁺ -sensing receptor gene (PCAR1) mutation T151M in isolated autosomal dominant hypoparathyroidism," <i>Hum. Genet</i> , 1996, 98, 129-133
CE	Lefkowitz, R. et al., "Constitutive activity of receptors coupled to guanine nucleotide regulatory proteins," <i>Trends Pharmacol. Sci.</i> , 1993, 14, 303-307
CF	Libermann, T. et al., "Amplification, enhanced expression and possible rearrangement of EGF receptor gene in primary human brain tumours of glial origin," <i>Nature</i> , 1985, 313, 144-147
CG	Liu, C. et al., "Overexpression of c-met proto-oncogene but not epidermal growth factor receptor or c-erbB-2 in primary human colorectal carcinomas," <i>Oncogene</i> , 1992, 7, 181-185
CH	Liu, J. et al., "Molecular mechanisms involved in muscarinic acetylcholine receptor-mediated G protein activation studied by insertion mutagenesis," <i>J. Biol. Chem.</i> , 1996, 271(11), 6172-6178
CI	Lonardo, F. et al., "The normal erbB-2 product is an atypical receptor-like tyrosine kinase with constitutive activity in the absence of ligand," <i>New Biologist</i> , 1990, 2(11), 992-1003
CJ	Maenhaut, C. et al., "RDC8 codes for an adenosine A2 receptor with physiological constitutive activity," <i>Biochem. Biophys. Res. Comm.</i> , 1990, 173(3), 1169-1178
CK	Mann, J. et al., "Increased serotonin, and β -adrenergic receptor binding in the frontal cortices of suicide victims," <i>Arch. Gen. Psychiatry</i> , 1986, 43, 954-959
CL	Martone, R.L. et al., "Human CRF receptor chimeras: Mapping of ligand binding determinants," 26th Meeting of the Society of Neuroscience, Washington, D.C. November 16-21, 1996, Abstract No. 609.8
CM	Magnusson, Y. et al., "Autoimmunity in idiopathic dilated cardiomyopathy," <i>Circulation</i> , 1994, 89, 2760-2767

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CN	Matus-Leibovitch, N. et al., "Truncation of the thyrotropin-releasing hormone receptor carboxyl tail causes constitutive activity and leads to impaired responsiveness in <i>Xenopus</i> Oocytes and AtT20 Cells," <i>J. Biol. Chem.</i> , 1995, 270(3), 1041-1047
CO	Myles, G.M. et al., "Tyrosine 569 in the c-Fms juxtamembrane domain is essential for kinase activity and macrophage colony-stimulating factor-dependent internalization," <i>Mol. Cell. Biol.</i> , 1994, 14(7), 4843-4854
CP	Nanevicz, T. et al., "Thrombin receptor activating mutations," <i>J. Biol. Chem.</i> , 1996, 271(2), 702-706
CQ	Natali, P.G. et al., "Expression of the c-Met/HGF receptor in human melanocytic neoplasms: demonstration of the relationship to malignant melanoma tumour progression," <i>Br. J. Cancer</i> , 1993, 68, 746-749
CR	Neilson, K.M. et al., "Constitutive activation of fibroblast growth factor receptor-2 by a point mutation associated with Crouzon syndrome," <i>J. Biol. Chem.</i> , 1995, 270(44), 26037-26040
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Docket No.

7. US29. CON:

Serial No.

10/723,955

Applicant

Dominic P. Behan et al.

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7:US297:CON

Serial No.

10/723,955

Applicant

Dominic P. Behan et al.

Filing Date

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N/S	FE	5,514,578	05/07/96	Hogness et al.	435	240.2
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** ↓	FK	09/364,425	07/30/99	Behan et al.		
** ↓	FL	09/417,044	10/12/99	Chen et al.		

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** Pursuant to 37 C.F.R. 1.98(a)(2)(iii) no copy of a U.S. patent application need be included with an Information Disclosure Statement filed under 37 C.F.R. 1.97.

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	Applicant Behan et al.	
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	GA	2,135,253	08.05.96	Canada	X	
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Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office	Docket No. 7, US29, CON	Serial No. 10/723,955,
	Applicant Behan et al.	
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				Application Number	10/723,955
				Filing Date	November 26, 2003
				First Named Inventor	Dominic Behan
				Art Unit	Not Yet Assigned
				Examiner Name	Not Yet Assigned
				Attorney Docket Number	7.US29.CON
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Sheet 19 of 21

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Application Number	10/723,955
Filing Date	November 26, 2003
First Named Inventor	Dominic Behan
Group Art Unit	Not Yet Assigned
Examiner Name	Not Yet Assigned
Attorney Docket Number	7.US29.CON

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

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PT	JJ	MOORE, et al., "The role of cAMP regulation in controlling inflammation," Clin. Exp. Immunol. (1995) 101:387-389.	
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Examiner Name	Not Yet Assigned
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Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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NJS	JN	US-6,455,685	09/24/2002	Levinson	
	JO	US- 6,414,117	07/02/2002	Levinson	
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		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
NJS	JX	WO02/57414	07/25/02	Bio-Cardia		
	JY	WO02/61087	08/08/02	Lifespan Biosciences		
	JZ	WO00/73498	12/07/00	Millenium Pharm.		
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	KB	WO00/22431	04/20/00	Behan et al		
	KC	WO96/32858	07/30/96	Schering Corp.		

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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet	21	of	21
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Complete if Known

Application Number	10/723,955
Filing Date	November 26, 2003
First Named Inventor	Dominic Behan
Art Unit	Not Yet Assigned
Examiner Name	Not Yet Assigned
Attorney Docket Number	7.US29.CON

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		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
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	KE	WO01/75067	10/11/01	Hyseq		
	KF	WO96/39442	12/12/96	Human Genome Sciences		
	KG	WO02/77153	10/03/02	U. Virginia		
	KH	WO02/10449	02/07/02	Compugen		
	KI	WO01/75067	10/11/01	Hyseq		

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